



RHODE ISLAND DEPARTMENT OF  
ENVIRONMENTAL MANAGEMENT  
Office of Water Resources

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**RIPDES SMALL MS4 ANNUAL REPORT**  
GENERAL INFORMATION PAGE

RIPDES PERMIT # **RIR040 036**

REPORTING PERIOD: ☒ **YEAR 15**  
Jan 2018-Dec 2018

**OPERATOR OF MS4**

Name: <b>Rhode Island Department of Transportation</b>			
Mailing Address: <b>Two Capitol Hill</b>			
City: <b>Providence</b>	State: <b>RI</b>	Zip: <b>02903</b>	Phone: <b>(401) 734-4829</b>
Contact Person: <b>Brian M. Moore</b>	Title: <b>Administrator – Office of Stormwater Management (OSM)</b>		
	Email: <b>brian.moore@dot.ri.gov</b>		
Legal status (circle one): PRI - Private      PUB - Public      BPP - Public/Private <b>STA - State</b> FED – Federal			
Other (please specify):			

**OWNER OF MS4 (if different from OPERATOR)**


Name:			
Mailing Address:			
City:	State:	Zip:	Phone: (   )
Contact Person:	Title:		
	Email:		

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name Peter Alviti, Jr., P.E.

Print Title Director

Signature 

Date 3/5/19

## SPECIAL NOTE FOR RIDOT's MS4 ANNUAL REPORT

RIDOT entered into a Consent Decree with the United States Environmental Protection Agency (EPA) and the US Department of Justice for non-compliance findings with the RIPDES Small MS4 General Permit. The Consent Decree was entered by US Federal Court and became effective on December 22, 2015 and will continue until all Remedial Measures have been completed by RIDOT, estimated to be in the year 2026. The Consent Decree and all associated RIDOT documents may be found on the RIDOT Stormwater Management Webpage at: <http://www.dot.ri.gov/about/stormwater.php>

The Consent Decree requires RIDOT to comply with Remedial Measures identified for Illicit Discharge Detection and Elimination (IDDE), Post Construction Stormwater Management, Good Housekeeping, and Total Maximum Daily Loads (TMDLs).

As the Consent Decree also requires reporting, the Department of Environmental Management has agreed to allow RIDOT to reduce duplicative reporting and only report unique RIPDES Minimum Measure requirements in this Annual Report. Therefore, where Consent Decree Remedial Measures overlap with RIPDES Minimum Measures, the RIDOT will report in the Consent Decree Compliance Report only.

Table: RIDOT REPORTING MECHANISM

RIDEM Minimum Measure	RIPDES Remedial Measure	Consent Decree	RIDOT Reporting Mechanism
1. Public Ed/Outreach	N/A		Report in RIPDES Annual Report
2. Public Involvement	N/A		Report in RIPDES Annual Report
3. IDDE	C. IDDE		<b>ONLY report in Consent Decree Compliance Reports</b> (due 3/10 and 8/1); Provide RIDEM with reports.
4. Construction Site Stormwater Management	N/A		Report in RIPDES Annual Report
5. Post Construction Stormwater Management	D. Housekeeping/ O&M		<b>ONLY report in Consent Decree Compliance Reports</b> (due 3/10); Provide RIDEM with reports.
6. Good Housekeeping	D. Housekeeping/ O&M		<b>Report in Consent Decree Compliance Reports</b> (due 3/10) for Catch Basin and Street Sweeping efforts; Provide RIDEM with reports. <b>Report in RIPDES Annual Report</b> for other elements (stabilization of Road Side Shoulders, reducing floatables, Maintenance Facility SWPPPs and SPCCs).
TMDLs	A & B. TMDLs and Impaired Waters		<b>ONLY report in Consent Decree Compliance Reports</b> (due 3/10); Provide RIDEM with reports.
SRPWs & Impaired Waters	A & B. TMDLs and Impaired Waters		<b>ONLY report in Consent Decree Compliance Reports</b> (due 3/10); Provide RIDEM with reports.



## MINIMUM CONTROL MEASURE #1: PUBLIC EDUCATION AND OUTREACH (Part IV.B.1 General Permit)

### SECTION I. OVERALL EVALUATION:

#### GENERAL SUMMARY, STATUS, APPROPRIATENESS, AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as activities, topics addressed, audiences and pollutants targeted. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for choosing the education activity to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name & Title:** Allison Hamel, Principal Environmental Scientist

**Phone:** 401-921-2147 \* **Email:** [allison.hamel@dot.ri.gov](mailto:allison.hamel@dot.ri.gov)

IV.B.1.b.1 Use the space below to provide a General Summary of activities implemented to educate your community on how to reduce stormwater pollution. For TMDL affected areas, with stormwater associated pollutants of concern, indicate rationale for choosing the education activity. List materials used for public education and topics addressed. Summarize implementation status and discuss if the activity is appropriate and effective.

#### **BMP 1A, 1B – URI AGREEMENT** (Allison Hamel)

RIDOT's Office of Stormwater Management (OSM) is responsible for partnering with Rhode Island Department of Environmental Management (RIDEM) and the University of Rhode Island (URI), through their Nonpoint Education for Municipal Officials (NEMO) Program at the Cooperative Extension of the College of the Environment and Life Sciences, to provide training to State and Municipal officials, and to create a coordinated statewide public outreach message. The target audience consists of State and Municipal officials, watershed groups, residents, and RIDOT personnel.

Throughout 2013, RIDOT, RIDEM, and URI worked on drafting a new Agreement between these entities, which provides measurable goals, a five-year timeline, and a budget for implementation. The Agreement was finalized and signed by all parties in June 2014, [continued throughout 2018](#), and was extended until the end of 2019. The Agreement is structured to be funded for one (1) year, with the ability to extend the term to a total of five (5) years, pending funding availability. This Agreement is anticipated to constitute full compliance with Minimum Measure 1 of the current RIPDES General Permit during the term of the Agreement. [\[ATTACHMENT 1A\]](#)

[A detailed summary of URI work has been provided for 2018. \[ATTACHMENT 1B\]](#)

**RESPONSIBLE PARTIES** - The University of Rhode Island is the primary entity responsible for the implementation of RIDOT's Public Education and Outreach Program with significant support & coordination from RIDOT and RIDEM. The RIDOT OSM is responsible for the Program Management of this Agreement.

**EFFECTIVENESS** - This Minimum Measure work has been extremely effective. Both Municipal officials and RIDOT personnel have received effective, appropriate, and useful training through this initiative. URI NEMO has continued to provide very high-quality training with support from RIDEM and RIDOT.

**YEAR 16 (2019) EXPECTED ACTIONS** - RIDEM is an involved partner in this Agreement and has had an active role in developing the yearly actions required in the Agreement. In 2019, URI NEMO will focus efforts on advertising StormwaterONE construction stormwater training modules that are available to RIDOT staff, all RI Municipalities, and private consultants/contractors; and will complete developing model Ordinances for Municipalities with RIDEM.

#### **BMP 1C – RIDOT STORMWATER PROGRAM WEBSITE** (RIDOT OSM & Communications Office)

RIDOT has continued to maintain the Stormwater Program web page on the RIDOT website.

In 2014, RIDOT completely redesigned the Department's website, including the Stormwater Program web page. The new page is located at <http://www.dot.ri.gov/about/stormwater.php>

Throughout 2018, RIDOT continued to update the page as necessary to include new information from the EPA Consent Decree compliance efforts.

The primary on-line resource for Public Education and Outreach information will continue to be the "Know Where It Goes" website, created under the original RIDOT/RIDEM/URI Public Education and Outreach Agreement. The new Agreement provides funding for staff time for regular website maintenance of the "Know Where It Goes" campaign.

**RESPONSIBLE PARTIES** - The RIDOT Office of Communications, working with support from the OSM, is the primary RIDOT entity responsible for the updating of the RIDOT Stormwater Program web page. The University of Rhode Island NEMO is the primary entity responsible for the updating of the "Know Where It Goes" web site.

**EFFECTIVENESS** - This Minimum Measure is an effective tool to provide general information about storm water issues.

**YEAR 16 (2019) EXPECTED ACTIONS** - Update both websites as needed.

IV.B.1.b.2	Use the space below to provide a general summary of how the public education program was used to educate the community on how to become involved in the municipal or statewide stormwater program. Describe partnerships with governmental and non-governmental agencies used to involve your community.
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2018: URI NEMO provides Annual Reports each year to RIDOT & RIDEM, which includes the measurable goals set and agreed upon by RIDOT, RIDEM, and URI in the contract agreement, and the success towards each. **[ATTACHMENT 1B]**

#### **RHODE ISLAND GREEN INFRASTRUCTURE COALITION COLLABORATION** (\*Joseph Baker)

RIDOT's OSM collaborated with the RI Green Infrastructure Coalition (GIC) to fund, prepare, and print interpretive stormwater signs. The signs are intended to increase public awareness and education about the benefits of properly managing stormwater. Any member organization of the GIC may request the signs that spread the "Nature at Work" stormwater message **[ATTACHMENT 1C]**. During 2018, 53 signs were provided to the following organizations (quantity in parentheses): Groundwork RI (8), Woonasquatucket River Watershed Council (29), Mount Hope High School (1), Green Infrastructure Coalition (12), Eastern RI Conservation District (1), and Friends of the Moshassuck (2). Signs are currently available in both English and Spanish.

**RESPONSIBLE PARTIES** – The GIC gathers the member organizations' requests. The OSM serves as the Department's point of contact and clearinghouse for any new sign requests received by the GIC. RIDOT's Division of Highway & Bridge Maintenance Sign Shop fulfills the sign requests by fabricating them and the GIC distributes the signs back to the organizations.

**EFFECTIVENESS** - This Minimum Measure work has been extremely effective. Organizations have noted positive responses from communities where signs are installed.

**YEAR 16 (2019) EXPECTED ACTIONS** – RIDOT OSM will continue to fund and fabricate these signs to improve public stormwater education.

#### **WOONASQUATUCKET RIVER WATERSHED COUNCIL AGREEMENT** (\*Alisa Richardson)

RIDOT's OSM collaborated with the Woonasquatucket River Watershed Council (WRWC) to initiate, fund, and manage stormwater improvement projects throughout the Woonasquatucket Watershed. This Construction and Maintenance Agreement is for five years and was signed in 2018. Part of the agreement includes stormwater education for the public and so far, has funded public green infrastructure tours to areas improved by the collaborative water quality projects and their River Ranger Program.

The C & M agreement is included as **ATTACHMENT 1D**.

**RESPONSIBLE PARTIES** – WRWC (Alicia Lehrer) is the primary entity responsible for the implementation of the public education portion of this Agreement. The RIDOT OSM is responsible for the Program Management of this Agreement.



**EFFECTIVENESS** - This Minimum Measure work has been effective in the short time it has been active, by providing stormwater education within the urban neighborhoods where WRWC has completed projects.

**YEAR 16 (2019) EXPECTED ACTIONS** – Currently, there are three projects undertaken between RIDOT and WRWC. We anticipate additional projects being funded, designed, and implemented during 2019. We also anticipate creating a 10-year plan with WRWC to identify more stormwater projects that RIDOT can fund, but that WRWC will implement.

#### **RHODE ISLAND STATE CONSERVATION COMMITTEE AGREEMENT** (\*Heather Hamilton)

OSM worked toward a collaboration with the RI State Conservation Committee (RISCC) during 2018, including a Construction and Maintenance Agreement between the two agencies (which is currently being signed by all parties). This agreement [ATTACHMENT 1E] will not only yield projects that will improve stormwater/water quality but will afford opportunities for public education/involvement. We anticipate that one of the first projects will involve public school grounds, with agricultural improvement projects to immediately follow.

**YEAR 16 (2019) EXPECTED ACTIONS** – This agreement will make great strides during 2019, as several projects that include public education will commence. OSM is also currently working toward a similar agreement with Save the Bay, which we anticipate will have a great deal of public outreach/participation within it (such as the drain marking program and river cleanups).

Check all topics that were included in the Public Education and Outreach program during this reporting period. For each of the topics selected, provide the target pollutant (e.g. construction sites, total suspended solids):

Topic	Target Pollutant(s)
<input checked="" type="checkbox"/> Construction Sites	sediment, total suspended solids, phosphorus, nitrogen, toxics (concrete washout, fuel leaks, etc.)
<input checked="" type="checkbox"/> Pesticide and Fertilizer Application	nitrogen and phosphorus
<input checked="" type="checkbox"/> General Stormwater Management Information	trash, grass clippings (nutrients), toxics (auto care)
<input checked="" type="checkbox"/> Pet Waste Management	bacteria
<input checked="" type="checkbox"/> Household Hazardous Waste Disposal	toxics
<input type="checkbox"/> Recycling	
<input checked="" type="checkbox"/> Illicit Discharge Detection and Elimination	bacteria (sanitary waste connections)
<input checked="" type="checkbox"/> Riparian Corridor Protection/Restoration	thermal pollution, phosphorus, nitrogen, bacteria
<input checked="" type="checkbox"/> Infrastructure Maintenance	TSS, Nitrogen, phosphorus, TSS, pathogens, metals
<input checked="" type="checkbox"/> Trash Management	bacteria (pet waste)
<input type="checkbox"/> Smart Growth	
<input checked="" type="checkbox"/> Vehicle Washing	toxics (soap, oil, metals)
<input checked="" type="checkbox"/> Storm Drain Marking	trash, bacteria (pet waste), toxics (paint, oil)
<input type="checkbox"/> Water Conservation	
<input checked="" type="checkbox"/> Green Infrastructure/Better Site Design/LID	nitrogen, phosphorus, TSS, bacteria, runoff volume (impervious cover)
<input checked="" type="checkbox"/> Wetland Protection	thermal pollution, phosphorus, nitrogen, bacteria
<input type="checkbox"/> Other:	

#### **Specific audiences targeted during this reporting period:**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Public Employees | <input checked="" type="checkbox"/> Contractors    |
| <input checked="" type="checkbox"/> Residential      | <input checked="" type="checkbox"/> Developers     |
| <input checked="" type="checkbox"/> Businesses       | <input checked="" type="checkbox"/> General Public |
| <input type="checkbox"/> Restaurants                 | <input type="checkbox"/> Industries                |
| <input type="checkbox"/> Other:                      | <input type="checkbox"/> Agricultural              |

**Additional Measurable Goals and Activities:**

In 2018, OSM also created educational IDDE door hangers [ATTACHMENT 1F] and canvassed several neighborhoods in Narragansett, RI along and off of Knowlesway, which leads to Narragansett Bay. OSM chose these neighborhoods based on evidence of illicit discharge activities and the proximity to the Bay. The OSM effort educated the owners/renters about the drainage system leading to the Bay and how to prevent pollution from reaching it.

Please list all stormwater training attended by your staff during the 2018 calendar year and list the names and municipal position of all staff who attended the training.

**TRAININGS:****Office of Stormwater Management Training 2018**

1/22-1/26	Joe Baker, Allison Hamel, Heather Hamilton, Alisa Richardson, John Preiss	Project Management Best Management Practices Training
2/6-2/8	Brendan Cunha, A.H.	Effective Project Management Teams 3-day
2/15-2/16	H.H., A.H., B.C., J.P., J.B., A.R., Brian Moore, Michael DeRotto	Stormwater Inspector Training: MS4
2/21	H.H.	Words That Work
2/21	B.C.	8 Hour HAZWOPER Refresher Training
2/22	H.H.	Combat Communication for Conservationists
2/27-3/1	H.H.	Effective Project Management Teams 3-day
3/7	A.R.	Green Alleys: An Innovative Approach to Stormwater Management
3/19	J.B., J.P., A.R.	Project Management Professional certification
3/20	J.B., Frank Perri, B.C.	RI General Construction Stormwater Awareness Training
3/20	A.R.	It's Not Easy Being Green - Design, Development, Testing & Approval of an Environmentally Friendly Stormwater Treatment System.
3/28	H.H.	Stormwater Standards for the Future: Env & Fin Benefits of Adopting Local SW Regs
4/3	J.B.	Field Environmental Emergency Compliance
4/17	A.R., H.H.	RI General Construction Stormwater Awareness Training
4/18	A.R.	The Important Role of Vegetation in Storm Water Management
5/2	A.R., J.P., A.H.	Efficient, Effective and Innovative Water Quality BMPs
5/23	H.H., A.H., B.C., J.P., J.B., A.R.	ArcGIS Online
5/24	A.H.	Talking Trash
7/27	B.M.	Stormwater Roundtable
7/31	J.B.	Ethics Awareness for Engineers
8/23	H.H.	Solving Difficult Problems in Green Infrastructure
9/12	H.H.	Green Streets in Dense Communities
9/17	H.H., A.R.	Infrastructure Conference
9/27	H.H., A.R.	Stormwater Conversations: Lessons in Green Infrastructure
10/4-10/5	H.H., J.B., A.R., J.P., B.C., A.H., M.D., Trevor Jones	Qualified MS4 Stormwater Inspector
10/18	A.R.	Stormwater BMP Maintenance and Operations
11/7-11/9	J.B.	Public Involvement in the Transportation Decision Making Process
11/14	A.R., A.H., H.H., J.B., B.M, B.C., J.P.	Linear Manual Workshop
11/27	A.R., T.J.	LID Tree Planting: Utilizing Urban Trees for Stormwater Management
12/12	H.H.	Coloring Superfund Green: Select Case Studies on the Revitalization of Contaminated Sites with Green Infrastructure
12/13	A.H., A.R., F.P., B.C., J.P.	Cure In-Place / Slip Lining for Stormwater

**Linear Stormwater Manual Workshop 2018: Attendance list provided in ATTACHMENT 1G**

See Minimum Measure #2 for a description of manual.

**Maintenance Training 2018:** The OSM continued with individualized training of Maintenance staff regarding IDDE, pollution prevention, and environmental topics. OSM met with the Drainage Superintendent quarterly to review environmental and drainage issues. OSM met with field staff and provided field review of inspections and documentation of drainage system maintenance activities in April and August of 2018.

**RESPONSIBLE PARTIES -** The University of Rhode Island is the primary entity responsible for the implementation of RIDOT's Public Education and Outreach Program with significant support & coordination from the RIDOT and RIDEM.

The OSM is the primary RIDOT entity responsible for the implementation of stormwater management training within the RIDOT Construction Training Program and the RIDOT Maintenance Training Program.

**EFFECTIVENESS -** This Minimum Measure work has been extremely effective. Both municipal officials and RIDOT personnel have received effective, appropriate, and useful training through this initiative.

**YEAR 16 (2019) EXPECTED ACTIONS -** RIDEM is an involved partner in this Agreement and has had an active role in developing the yearly actions required in the Agreement.

In 2019, URI NEMO will focus efforts on advertising StormwaterONE training modules that are available to RIDOT staff, all RI Municipalities, and private consultants/contractors; and will complete developing model Ordinances for Municipalities with RIDEM.

The RIDOT OSM will continue to provide stormwater education to RIDOT Project Managers, Construction, Maintenance personnel and will continue to aid RIDEM and other State Agencies in stormwater education.

The Office of Professional Development and Training is committed to help meet RIDOT's professional development needs and will continue to offer learning opportunities and schedule training according to demand. The OSM has been coordinating with the Chief of the Office of Professional Development and Training to provide stormwater and environmental training to all RIDOT staff.



## MINIMUM CONTROL MEASURE #2: PUBLIC INVOLVEMENT/PARTICIPATION (Part IV.B.2 General Permit)

### SECTION I. OVERALL EVALUATION:

#### GENERAL SUMMARY, STATUS, APPROPRIATENESS, AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as types of activities and audiences/groups engaged. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name & Title:** Allison Hamel, Principal Environmental Scientist

**Phone:** 401-921-2147\* **Email:** [allison.hamel@dot.ri.gov](mailto:allison.hamel@dot.ri.gov)

IV.B.2.b.2.ii

Use the space below to describe audiences targeted for the public involvement minimum measure, include a description of the groups engaged, and activities implemented and if a particular pollutant(s) was targeted. If addressing TMDL requirements indicate how the audience(s) and/or activity address the pollutant(s) of concern. Name of person(s) and/or parties responsible for implementation of activities identified. Assess the effectiveness of BMP and measurable goal.

#### **BMP 2B – PUBLIC INVOLVEMENT**

The RIDOT's OSM is responsible for partnering with RIDEM and URI, through their NEMO Program at the Cooperative Extension of the College of the Environment and Life Sciences, to provide a coordinated, statewide public outreach and involvement program. The target audience consists of State and Municipal officials, environmental & watershed groups, residents, and educational organizations.

Throughout 2013 & 2014, RIDOT, RIDEM, and URI continued to work on drafting a new Agreement between these entities, which provides measurable goals, and a five-year timeline, and a budget for implementation. **The Agreement was finalized and signed by all parties in June 2014. [ATTACHMENT 1A] The Agreement continued throughout 2018 and was extended until the end of 2019.** The Agreement is structured to be funded for one (1) year, with the ability to extend the term to a total of five (5) years, pending funding availability. This Agreement is anticipated to constitute full compliance with Minimum Measure 2 of both the current and the next RIPDES General Permit, with exception of the requirement for Public Notice of the Annual Report, during the term of the Agreement.

**A detailed summary of URI work has been provided for 2018. [ATTACHMENT 1B]**

**RESPONSIBLE PARTIES** - The University of Rhode Island is the primary entity responsible for the implementation of RIDOT's Public Education and Outreach Program with significant support & coordination from the RIDOT and RIDEM. RIDOT's OSM is responsible for the Program Management of the URI Agreement and Public Involvement.

**EFFECTIVENESS** - This Minimum Measure work has been extremely effective. Municipal officials, RIDOT personnel, and the general public have been given the opportunity to provide their input and insight on RIPDES requirements. URI NEMO has continued to provide very high-quality training with support from both RIDEM and RIDOT and the URI T2 Center.

**YEAR 16 (2019) EXPECTED ACTIONS** - RIDEM is an involved partner in this Agreement and has had an active role in developing the yearly actions required in the Agreement.

In 2019, URI NEMO will focus efforts on advertising StormwaterONE training modules that are available to RIDOT staff, all RI Municipalities, and private consultants/contractors; complete developing model Ordinances for Municipalities. **[ATTACHMENT 1B]**



Opportunities provided for public participation in implementation, development, evaluation, and improvement of the Stormwater Management Program Plan (SWMPP) during this reporting period. Check all that apply:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Cleanup Events     | <input type="checkbox"/> Storm Drain Markings            |
| <input type="checkbox"/> Comments on SWMPP Received    | <input checked="" type="checkbox"/> Stakeholder Meetings |
| <input type="checkbox"/> Community Hotlines            | <input type="checkbox"/> Volunteer Monitoring            |
| <input checked="" type="checkbox"/> Community Meetings |  |

#### Additional Measurable Goals and Activities

The OSM staff actively attends statewide & municipal meetings provided by municipalities, RIDEM, conservation groups, community groups, watershed groups, and other State agencies as part of MS4 RIPDES compliance, TMDL/Impaired Water compliance etc. Additionally, RIDOT invites stakeholders to participate and comment on Consent Decree and MS4 compliance initiatives (Stormwater Control Plan development, RIDOT Linear Manual, Capital Improvement Program, etc.)

#### 2018 Coordination with RIDEM and other MS4s, Stakeholders, & Community Groups:

Aquidneck Island Land Trust  
 Aquidneck Island Planning Commission  
 Audubon Society of Rhode Island  
 Clean Ocean Access  
 Climate Smart Cities Metro Providence  
 Coastal Resources Management Council  
 Executive Climate Change Coordinating Council  
 Green Infrastructure Coalition  
 Narragansett Bay Commission, Pawtucket  
 Narragansett Bay Estuary Program  
 Pollinator Working Group  
 Providence Parks and Recreation, Roger Williams Park  
 Providence Planning Department  
 RI Community Housing  
 RI Dept. of Environmental Management  
 RI Infrastructure Bank  
 RI MS4s – Bristol, East Greenwich, Little Compton, Middletown, Narragansett, Newport, North Providence, Portsmouth, Providence, Smithfield, Tiverton, Warwick, West Warwick  
 RI Public Works Association  
 RI State Conservation Committee  
 Save the Bay  
 Silver Jackets (Flood Mitigation Working Group)  
 The Nature Conservancy  
 The University of Rhode Island Department of Civil and Environmental Engineering  
 The University of Rhode Island Non-Point Education for Municipal Officials  
 The University of Rhode Island Transportation Center  
 Trust for Public Lands  
 US EPA  
 Water Resources Board  
 Woonasquatucket River Watershed Council

#### **BMP 2A – ADOPT-A-HIGHWAY PROGRAM**

In 2018, the RIDOT Maintenance Division has continued supporting both the Adopt-a-Highway and the Sponsor-a-Highway programs.

<http://www.dot.ri.gov/community/adopta/index.php>

The **Adopt-A-Roadway** Program (formerly Adopt a Highway) is geared for non-profit, volunteer groups such as environmental groups, students, boy/girl scouts, and civic minded businesses. RIDOT Maintenance provides advanced warning signs, safety vests, litter picks and trash bags. RIDOT Maintenance Division also fabricates and

installs signs for this program (small signs are free to not-for-profit organizations; larger signs are a charge). The Sponsor is responsible to do a minimum of 4 cleanups per year. The segments in the AAR Program are on secondary roads (no high-speed routes or interstates).

The **Adopt-A-Highway** Program (formerly Sponsor-A-Highway) is geared toward businesses and there are currently two companies that the Department does business with, Adopt-A-Highway Maintenance Corporation (AAHMC) and Adopt-A-Highway Litter Removal Service of America, Inc. (AAHLRSA). AAHMC and AAHLRSA are both based out of California and they are active in many states. They both charge a monthly fee to each Sponsor for the sign panel (Catch the Wave- Ride with Pride) and they are obligated to clean each segment 19 times per year. There is a set schedule for each company to follow and the cleanups take place on Mondays throughout the year. All companies send electronic cleanup reports.

The **Adopt-a-Spot** Program is designed to encourage landscaping in small locations such as traffic islands, median strips, and other undeveloped areas near roads and intersections.

Measure Indicator	SFY18 Final Total	SFY19 Target	SFY19 July	SFY19 Aug	SFY19 Sept	SFY19 Oct	SFY19 Nov	SFY19 Dec
Number of active Adopt-A-Roadway adoptees.	6	10	6	6	6	6	6	6
Number of active Adopt-A-Highway sponsors.	18.4	25	20	20	21	21	21	21
Number of Adopt-A-Highway litter bags collected during the month.	1,452	1800	91	95	110	126	25	26
Number of Adopt-A-Roadway litter bags collected during the month.	104	150	5	8	8	5	0	0
Adopt/Sponsor								
Adopt-A-Spot Permits (New & Renewed)	63	100	2	4	30	30	2	2

**RESPONSIBLE PARTIES** - RIDOT Maintenance is the primary RIDOT entity responsible for the implementation of this program; support from RIDOT OSM is provided as needed.

**EFFECTIVENESS** - RIDOT considers this BMP very effective in both public involvement and the reduction of floatables/trash along RIDOT roadways.

**YEAR 16 (2019) EXPECTED ACTIONS** - RIDOT Maintenance will continue this BMP.

#### **BMP 2C – PRISON CREW CLEANUPS**

In 2018, the RIDOT Maintenance Division continued funding prison crew cleanups along RIDOT roadways.

- In 2018, RIDOT paid \$753,705 for prison crews and picked up 45,434 bags of litter.

**RESPONSIBLE PARTIES** - RIDOT Maintenance is the primary RIDOT entity responsible for the implementation of this program; support from RIDOT OSM is provided as needed.

**EFFECTIVENESS** - RIDOT considers this BMP very effective in both public involvement and the reduction of floatables/trash along RIDOT roadways.

**YEAR 16 (2019) EXPECTED ACTIONS** - RIDOT will continue this BMP.

**BMP 2E – ENHANCEMENT PROGRAM PROJECTS**

See Minimum Control Measure #1 for information on new partnerships with community organizations, a State committee, and non-profit environmental organizations to address environmental quality-mainly stormwater improvement projects.

**RIDOT LINEAR STORMWATER MANUAL WORKSHOP**

In 2018 RIDOT engaged RIDEM, CRMC, and EPA in the creation of a Linear Stormwater Manual to outline a standardized process and provide tools to streamline stormwater treatment design for RIDOT projects. The manual aligns RIDEM and Coastal Resource Management Council stormwater permitting requirements and provides guidance for complying with stormwater treatment requirement per the Consent Decree between RIDOT, U.S. Department of Justice, and the Environmental Protection Agency. The final product will be available in February 2019.

Prior to its completion, RIDOT hosted two days of workshops in November 2018 for its Project Managers, private consulting engineers, non-profit organizations, State regulatory members, and Federal Highway employees to comment on the process/product and learn more about it. The attendance list may be found in **ATTACHMENT 1G**.

**SECTION II. Public Notice Information (Parts IV.G.2.h and IV.G.2.i) \*Note: attach copy of public notice**

Was the availability of this Annual Report and the Stormwater Management Program Plan (SWMPP) announced via public notice? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	If YES, Date of Public Notice: February 27, 2019 – March 28, 2019 [ATTACHMENT 2A]
How was public notified: <input type="checkbox"/> List-Serve (Enter # of names in List: _____) <input type="checkbox"/> TV/Radio Notices <input checked="" type="checkbox"/> Website <input checked="" type="checkbox"/> Newspaper Advertising (Providence Journal) <input type="checkbox"/> Town Hall posting <input type="checkbox"/> Other:	
Enter Web Page URL: <a href="http://www.dot.ri.gov/about/stormwater.php">www.dot.ri.gov/about/stormwater.php</a>	
Was public meeting held? <input type="checkbox"/> YES <input type="checkbox"/> NO	
Date:	Where:
Summary of public comments received:	
Planned responses or changes to the program:	

**NOTICE OF AVAILABILITY  
2018 DRAFT ANNUAL REPORT  
OF THE RIDOT  
PHASE II STORMWATER MANAGEMENT PROGRAM PLAN**

The Director of the Rhode Island Department of Transportation (RIDOT) hereby gives public notice that the Draft 2018 RIDOT Storm Water Management Program Plan Annual Report, prepared in accordance with the Rhode Island Pollutant Discharge Elimination System (RIPDES) Program, is available for public inspection, review, and comment.

For further information and/or a copy of the document, please visit DOT's Stormwater website at: [www.dot.ri.gov/about/stormwater.php](http://www.dot.ri.gov/about/stormwater.php) or contact Heather Hamilton at:  
RIDOT, Office of Stormwater Management, 360 Lincoln Ave, Warwick, RI 02888  
(401) 479-4892  
[heather.hamilton@dot.ri.gov](mailto:heather.hamilton@dot.ri.gov)

The documents may be reviewed at the Rhode Island Department of Transportation, Two Capitol Hill, Providence, Rhode Island from FEBRUARY 27, 2019 to MARCH 28, 2019 between the hours of 8:00 AM and 4:00 PM Monday through Friday, by appointment only.

**PUBLIC HEARING:**

A public hearing on the Annual Report will be held if RIDOT receives such requests from twenty-five (25) people, a government agency or subdivision, or an association having not less than twenty-five (25) members. If a public hearing is to be held, a public notice will be published announcing the date, time, place of such hearing, and the deadline for submitting written comments.

**PUBLIC COMMENT PERIOD: (FEBRUARY 27, 2019 to MARCH 28, 2019)**

All comments on the documents should be submitted in writing or via email post-marked no later than 4:00 PM on Thursday MARCH 28, 2019. If, during the public comment period, significant new questions are raised concerning the document, DOT may require a new draft or may reopen the public comment period. A public notice will be issued for any of these actions.

**FINAL DECISION AND APPEALS:**

Following the close of the comment period, and after a public hearing, if such hearing is held, the Director will issue a final decision and forward a copy of the final documents to RIDEM and each person who has submitted written comments or requested notice.



### **MINIMUM CONTROL MEASURE #3: ILLICIT DISCHARGE DETECTION AND ELIMINATION (Part IV.B.3 General Permit)**

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The RIDOT has signed a Consent Decree with the US Environmental Protection Agency and Department of Justice. US Federal Court entered the Consent Decree, and is effective as of December 22, 2015. The full Consent Decree may be viewed on the RIDOT Stormwater Management website at:

<http://www.dot.ri.gov/about/stormwater.php>

The Consent Decree requires RIDOT to comply with Remedial Measures identified for Illicit Discharge Detection and Elimination (IDDE), Post Construction Runoff Controls, Good Housekeeping, and Total Maximum Daily Loads (TMDLs). The Consent Decree also requires Compliance Reporting. Where Consent Decree Remedial Measures cover RIPDES Minimum Measures, RIDOT will report in the Consent Decree Reports only.

**PLEASE SEE RIDOT CONSENT DECREE ANNUAL REPORT FOR INFORMATION ON THIS MINIMUM CONTROL MEASURE.**

***Minimum Measure 3, IDDE: the Consent Decree Remedial Measure C covers all RIPDES Minimum Measure 3 requirements.*** No data is provided in this section of the RIPDES Annual Report.





**MINIMUM CONTROL MEASURE #4:  
CONSTRUCTION SITE STORMWATER RUNOFF CONTROL  
(Part IV.B.4 General Permit)**

**SECTION I. OVERALL EVALUATION:**

**GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:**

Include information relevant to the implementation of each measurable goal, such as activities implemented to support the review, issuance and tracking of permits, inspections, and receipt of complaints. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name & Title:** David Fish, PE, Administrator of Project Management

**Phone:** 401-222-2468

**Email:** [david.fish@dot.ri.gov](mailto:david.fish@dot.ri.gov)

**IV.B.4.b.1**

Indicate if the Sediment and Erosion Control and Control of Other Wastes at Construction Sites ordinance was not developed, adopted, and submitted to RIDEM, explain reasons why, submit proposed schedule for completion and identify person(s) / Department and/or parties responsible for the completion of this requirement.

**Date of Adoption:** N/A

If the Ordinance was amended in 2018, please indicate why changes were necessary. **Please also indicate if amendments have been made based on the 2010 RI Stormwater Design and Installation Standards Manual, and provide references to the amended portions of the local codes/ordinances.**

RIDOT does not have authority to develop &/or adopt ordinances. RIDOT relies on the RIDOT Standard Specifications for Road and Bridge Design and Other Specifications, Contract Specific and Job Specific Specifications, and the RIPDES General Permit for Storm Water Discharge Associated with Construction Activity for compliance with this measure.

The RIPDES General Permit for Storm Water Discharge Associated with Construction Activity requires sediment and erosion control and other waste control at construction sites for sites with disturbance of one acre or greater. As the RIPDES permit requirement is met by the Construction General Permit, RIDOT created standardized construction site Soil Erosion & Sediment Control (SESC) Plan templates, which have been in use at RIDOT since 2008 and have been made available to all MS4s via a training session in August 2009. RIDOT created both a Large Site Soil Erosion & Sediment Control (SESC) Plan Template for projects with an acre or more of soil disturbance (required by the General Permit), and a Small Site SWPPP Template for projects with less than an acre of soil disturbance (not required by the General Permit, but enacted by RIDOT to further control erosion and sedimentation at our Construction sites).

The following BMPs listed are procedures/policies in RIDOT's SWMPP created to prohibit illicit discharges to the MS4.

**BMP 4A – REVIEW & REVISE RIDOT STANDARD SPECIFICATIONS IF NEEDED TO CREATE MORE CONTROLS DURING CONSTRUCTION**

OSM revised Specification 212 to include new "Other Requirements" (212.03.2) (*Currently being used in our Design-Build Projects and we anticipate the new Spec will be fully implemented into all projects in 2019*). **[ATTACHMENT 4A]** Additions include: assigning SESC Plan/SWPPP inspection responsibility to contractors who work for RIDOT, requiring inspectors to be certified, additional charges for violations, and providing OSM staff the authority to verify, enforce (including assess charges), and specify maintenance activities. RIDOT continues to work on Job-Specific (JS pages) and Contract Specific (CS pages) for new RIDOT projects to create more control over Contractor activities on site as necessary.

**BMP 4B – MODIFY STANDARD SPECIFICATION – INSPECTION**

RIDOT has not modified a specific specification to require inspections on a specific timeline, however RIDOT does require weekly and post-storm inspections on all its sites that have potential to introduce pollutants into the MS4 or which have land disturbance (including sites with less than 1 acre of disturbance that are not under the RIPDES CGP). The RIPDES CGP and RIDOT's internal small-site stormwater pollution prevention plan does require weekly and post-storm inspections. Specification 212.03 does state that erosion and pollution controls "shall be routinely inspected by the Engineer."

**BMP 4C – MODIFY STANDARD SPECIFICATION - ON-SITE EROSION & SEDIMENT CONTROL**

2018 revised Specification 212.03.2 now requires the Contractor to maintain an onsite stockpile of perimeter control, check dams, and storm drain protection for the duration of the contract. This requirement will facilitate faster maintenance response to failing erosion/sediment controls.

**BMP 4D – INSPECTION SCHEDULE**

RIDOT requires SESC/SWPP inspections to occur at least weekly and post-storms on all its sites that have potential to introduce pollutants into the MS4 or which have land disturbance (including sites with less than 1 acre of disturbance that are not under the RIPDES CGP). The RIPDES CGP and RIDOT's internal small-site stormwater pollution prevention plan does require weekly and post-storm inspections. Specification 212.03 does state that erosion and pollution controls "shall be routinely inspected by the Engineer." The new Spec. 212.03.2 requires Contractors to complete the inspections.

**BMP 4E – REVISE WBS/DPM**

RIDOT Resident Engineers (RE)/Inspectors use a standard template for SESC Plan/SWPPP inspections. The SESC Plan inspection form includes specific BMPs by station/sensitive areas. RIDOT continually revises inspection templates to make them easier to understand and more efficient for inspectors.

**BMP 4F – INSPECTION PROGRAM ON PROJECT SPECIFIC BASIS**

RIDOT Construction Management staff conducts weekly/post storm inspections. During 2018, OSM began its own audits of many construction projects, regardless of whether they were "large" or "small" sites.

In 2014, RIDOT initiated a URI research project to investigate implementation of a revised model of the RIDEM "Environmental Results/Compliance Assistance Program (CAP)" on RIDOT Construction Sites. This program continued through 2018. Please see **ATTACHMENT 4B** for the URI 2018 Annual Report.

**BMP 4G – EROSION AND SEDIMENT CONTROL INSPECTION TECHNIQUES**

Please see Minimum Measure 1 – StormwaterONE Training. RIDOT OSM also conducted one-on-one training in the field for REs/Inspectors on an as-needed, as-requested basis, as permitted by Construction Management. RIDOT Construction staff were invited to a Stormwater Inspector Training (MS4) held by the American Stormwater Institute. Most staff within OSM attended this course and became "Qualified Stormwater Inspectors".

The OSM created a "Stormwater Resources for RIDOT Construction Projects" educational binder for distribution to REs within the Construction Management Division. The binder includes multiple stormwater factsheets (created in conjunction with URI NEMO), the RIPDES CGP, site specific SESC plan, inspection forms, JS and CS pages, RIDEM/CRMC permit information, general Consent Decree information, OSM memos related to construction stormwater issues, and OSM contact information. These binders are provided to REs by OSM and reviewed on a one-on-one basis after pre-construction meetings. OSM believes this smaller effort with individuals has improved both inspection completion/documentation and stormwater understanding by RIDOT REs.

**BMPs 4H, 4K, 4L – WASTE CONTROL & TRAINING**

RIDOT standard specifications require proper control and disposal of construction site waste. The RE is responsible for ensuring these specifications are met onsite; training is provided as part of Construction Winter Training Series, in person in the field, and in Stormwater Education Binders.

**BMP 4I – MODIFY RIDOT POLICY – SWPPPS INCLUDED IN CONSTRUCTION DOCUMENTS**

SWPPPs/SESC Plans are included in contract documents. OSM also reviews specific concerns in the plans with the assigned RIDOT Construction Management staff and Contractors at the Pre-Construction Meetings. Contractors, RIDOT REs, and RIDOT SWPPP Inspectors sign SWPPP/SESC Plan certification pages.

**BMP 4J – DEVELOP A CONTRACT ENFORCEMENT MECHANISM**

RIDOT has mechanisms in place to assess charges to Contractors if they do not maintain erosion and pollution prevention controls to the satisfaction of the site RE. OSM revised Specification 212.03.2 (Failure to Maintain Erosion and Pollution Controls **ATTACHMENT 4A**) to include a Stormwater Violation Schedule for Construction and Maintenance Activities. The revisions to the Specification provide OSM with the authority to assess these charges to Contractors in hopes of improving compliance. RIDOT anticipates including this revised Spec. in all projects beginning later in 2019.

**BMPs 4M, 4N, 4O – MEETINGS WITH CONTRACTOR PRIOR TO CONSTRUCTION**

The OSM attends meetings with construction contractors (ie "Operators") prior to start of construction to review environmental constraints and permit conditions. OSM attended at least 26 pre-construction meetings during 2018 and increased efforts to get Operators/Contractors to sign the SWPPPs/SESCs during pre-construction meetings. OSM raised stormwater concerns during meetings and provided RIDOT REs with educational binders of construction stormwater information (from stormwater fact sheets and applicable Consent Decree requirements to updated inspection forms/instructions, project-specific SESC plans and failure to comply charges).

**RESPONSIBLE PARTIES** - RIDOT Design, Construction, Project Management, and the OSM are the primary RIDOT entities responsible for the implementation of this program.

**EFFECTIVENESS** - RIDOT considers this effort effective and has seen improvement. However, SESC Plan/SWPPP compliance in the field remains inconsistent.

**YEAR 16 (2019) EXPECTED ACTIONS** - RIDOT will continue this effort, including efforts with RIDEM and Construction Industries of Rhode Island to develop and offer contractor stormwater awareness and compliance training, implement RIDOT training on SESC Plans and inspection requirements through StormwaterONE online training and in person training in the field.

IV.B.4.b.6	Use the space below to describe actions taken as a result of receipt and consideration of information submitted by the public.
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RIDOT's Executive Office includes a Customer Service Office. The purpose of the Customer Service Office is to keep information lines open between the citizens of Rhode Island and RIDOT. We hope to inform, assist, and coordinate our efforts with the general public, cities/towns, businesses, chambers of commerce, public and private organizations, and elected officials during all phases of transportation projects, from concept through completion, to lessen both construction inconveniences and economic impacts. We will strive to produce an effective public information program incorporating such tools as public meetings, project brochures and informational handouts concerning our roads and bridges. Our web site will continue to post up-to-date information on the progress of our projects. The Customer Service Office will also respond to any questions or concerns the public may have regarding the Department of Transportation. The Customer Service Office may be contacted via phone, email, or the RIDOT website: <http://www.dot.state.ri.us/custserv/index.html>.

RIDOT's OSM received no public complaints relating to construction sites. OSM did respond to and resolve dozens of drainage complaints from the public.

**RESPONSIBLE PARTIES** - RIDOT Office of Customer Service is the primary RIDOT entity responsible for the implementation of this program.

**EFFECTIVENESS** - RIDOT considers this effort effective, but not well measured. Construction is not yet integrated into VUEWorks.

**YEAR 16 (2019) EXPECTED ACTIONS** - RIDOT will continue this effort with anticipated efforts towards better documentation of construction related complaints.



## CONSTRUCTION SITE STORMWATER RUNOFF CONTROL *cont'd*

IV.B.4.b.8	Use the space below to describe activities and actions taken as a result of referring to the State non-compliant construction site operators. The operator may rely on the Department for assistance in enforcing the provisions of the RIPDES General Permit for Stormwater Discharges Associated with Construction Activity to the MS4 if the operator of the construction site fails to comply with the local and State requirements of the permit and the non-compliance results or has the potential to result in significant adverse environmental impacts.
RIDOT does not refer its construction site operators to RIDEM for non-compliance issues. RIDOT must inspect its own sites and address non-compliance issues from within. RIDEM's RIDPES Program is responsible for inspecting RIDOT construction sites for compliance with the CGP and may also rely on RIDOT's documentation of SESC inspections.	

**SECTION II. A - Plan and SWPPP/SESC Plan Reviews during YEAR 15 (2018), Part IV.B.4.b.2:** Issuance of permits and/or implementation of policies and procedures for all construction projects resulting in land disturbance of greater than 1 acre.

**Part IV.B.4.b.4:** Review 100% of plans and SWPPPs/SESC Plans for construction projects resulting in land disturbance of 1-5 acres must be conducted by adequately trained personnel and incorporate consideration of potential water quality impacts.

# of Construction Applications Received: RIDOT does not receive or review applications, we propose/initiate projects.

# of Construction Reviews Completed: OSM completed 59 reviews (this includes all projects, not just 1-5 acres of disturbance), including PAPA submission reviews, stormwater reviews for construction plans, other permitting, scoping, etc. Consultants create SWPPP/SESC plans based on RIDOT/RIDEM template.

# of Permits/Authorizations Issued: RIDOT does not permit or authorize projects, we propose them.

Summary of Reviews and Findings, include an evaluation of the effectiveness of the program.

All RIDOT projects that require SESC's due to land disturbance activities over an acre require RIDEM permitting; in 2018 RIDOT OSM reviewed 59 projects for Stormwater & Consent Decree-related issues during various stages of design (from Scoping to PS&E Contracts). See Section IV.B.4.b.1 above for details regarding policies/procedures for ensuring oversight, as RIDOT does not issue permits.

Identify person(s)/Department and/or parties responsible for the implementation of this requirement: RIDOT OSM, Project Management (apply for permits), Natural Resources Unit (assist with permit applications)

Identify the type and date of training this person(s)/parties has/have received to be considered "adequately trained": See "Office of Stormwater Management Training 2018" in MCM #1, Section II.

**SECTION II.B - Erosion and Sediment Control Inspections during YEAR 15 (2018), Parts IV.G.2.n and IV.B.4.b.7:**

Inspection of 100% of all construction projects within the regulated area that discharge or have the potential to discharge to the MS4 (the program must include two inspections of all construction sites, first inspection to be conducted during construction for compliance of the Erosion and Sediment controls at the site, the second to be conducted after the final stabilization of the site). Inspections must be conducted by adequately trained personnel.

# of Active Construction Projects: 108 (includes all sites, including those with <1acre disturbance)

# of Site Inspections: Unknown

# of Complaints Received: 0

# of Violations Issued: Unknown

# of Unresolved Violations Referred to RIDEM: 0

Summary of Enforcement Actions, include an evaluation of the effectiveness of the program.

RIDOT does not have the authority to take enforcement actions, but has increased efforts to educate Construction Management field staff, document non-compliance and improve communication with REs and private contractors to take corrective actions on site in a timely manner. While the improvements to the program by OSM have shown an increase in understanding and submission of inspection reporting by Construction, Construction must take more of an active involvement with contractors to improve compliance. OSM has revised Specification 212 to increase charge amounts that RIDOT may apply towards contractors for various instances of SESC Plan/SWPPP non-compliance. We anticipate that these Specification revisions will apply to all projects beginning in mid-2019.

**Large Site SESC Projects (>1acre):** RIDOT Construction projects that disturb an area equal to or greater than one acre are required to have Soil Erosion & Sediment Control (SESC) Plans under the RIPDES Construction General Permit. SESC Plans require erosion and sedimentation control inspections on a weekly basis, and after a storm event ( $\geq 0.25$ "). RIDOT REs and Construction Inspectors perform SESC Plan inspections on RIDOT construction projects. Each active construction project with an SESC Plan is supposed to have weekly &/or storm event E&S monitoring until the site is stabilized at the end of the project. In 2018, OSM increased efforts to track inspections performed, audit construction sites themselves, improve communication between OSM and Construction Management, and improve site compliance.



RIDOT OSM staff documented 25 formal inspections (audits) of 21 projects (both "large" and "small" sites) in 2018 (these are in addition to the required weekly/post storm inspections that RIDOT Construction Management performs). [ATTACHMENT 4C]

During 2018, OSM initiated a new inspection format to better assign, inspect, track, compile, and report stormwater inspections. OSM now uses iPads and an inspection application (iAuditor), specifically tailored for RIDOT SESC/SWPP plan inspections. Inspectors may now instantly document site conditions, email reports (including photos), and track corrective actions. Data is instantly compiled within the app to help OSM determine where to focus compliance efforts. This effort also provides faster communication between OSM and the Construction Management Division after construction site audits, with the hopes of improving site compliance.

RIDOT OSM staff have also informally (i.e. undocumented) inspected many active construction sites as part of routine field work. RIDOT OSM will work to document all inspections during 2019 and increase the number of large site inspections, those with SESC Plans, as well as site compliance.

**Small Site SWPP Projects (<1acre):** RIDOT Construction projects that disturb an area less than one acre are required to have a Small Site Soil Erosion & Sediment Control (Small SESC or SWPPs) Plans and also require erosion and sedimentation control inspections on a weekly basis, and after a storm event. RIDOT REs (or a designated inspector) perform the inspections on RIDOT construction projects. RIDOT does not separate these small-site inspections from our large site inspections in a way that may be summarized for this report, therefore numbers of small-site inspections are included above with the large-site data.

**URI RHODECAP Inspections:** In 2014, RIDOT initiated a URI research project to investigate implementation of a revised model of the RIDEM "Environmental Results Program" on RIDOT Construction Sites. RIDOT/URI Engineering continued this program throughout 2018. Please see ATTACHMENT 4B for the 2018 Annual Report. URI conducted official inspections (between 1 and 3 inspections at each site), with written and photo documentation, of 14 RIDOT projects (see Appendices 1 & 3 in ATTACHMENT 4B).

**Final Inspections:** RIDOT conducts Final Inspections on every construction project. Staff from the Finals, Maintenance, Design, Traffic, Materials, Construction, Stormwater, and Environmental sections attend, if applicable to their office. If any drainage work, BMP, or proper stabilization is noted as not being correctly installed/established, the contractor is notified of this as part of a "Punch List" and must remedy the issue before Final Acceptance is granted. Final payment is based on this Final Acceptance.

In 2018, there were 44 RIDOT Final Inspections. [ATTACHMENT 4D] RIDOT OSM attended and provided comments for the 26 highlighted applicable final inspections.

Identify person(s) /Department and/or parties responsible for the implementation of this requirement:

**RESPONSIBLE PARTIES -** RIDOT OSM is the primary RIDOT entity responsible for the implementation of this program, with support by Construction Management for implementation of compliance and inspections.

**EFFECTIVENESS -** RIDOT considers this effort effective, however continued work is necessary to improve results. Although OSM has increased inspections during and after projects, and worked with Construction Management, RIDOT has failed to implement all the required procedures on its projects that require inspections.

**YEAR 16 (2019) EXPECTED ACTIONS -** RIDOT will continue these efforts and increase efforts to improve compliance in the field during construction.

Identify the type and date of training this person(s)/parties has/have received to be considered "adequately trained":  
URI inspectors received field training by OSM staff. See "Office of Stormwater Management Training 2018" in MCM #1, Section II.



**MINIMUM CONTROL MEASURE #5:  
POST CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND  
REVELOPMENT  
(Part IV.B.5 General Permit)**

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The RIDOT has signed a Consent Decree with the US Environmental Protection Agency and Department of Justice. The Consent Decree was entered by US Federal Court, and is effective as of December 22, 2015. The full Consent Decree may be viewed on the RIDOT Stormwater Management website at:

**<http://www.dot.ri.gov/about/stormwater.php>**

The Consent Decree requires RIDOT to comply with Remedial Measures identified for Illicit Discharge Detection and Elimination (IDDE), Post Construction Runoff Controls, Good Housekeeping, and Total Maximum Daily Loads (TMDLs). The Consent Decree also requires Compliance Reporting. Where Consent Decree Remedial Measures cover RIPDES Minimum Measures, RIDOT will report in the Consent Decree Reports only.

**PLEASE SEE RIDOT CONSENT DECREE ANNUAL REPORT FOR INFORMATION ON THIS MINIMUM CONTROL MEASURE.**

***Minimum Measure 5, Post Construction Stormwater Management: the Consent Decree Remedial Measure D covers all RIPDES Minimum Measure 5 requirements.*** No data is provided in this section of the RIPDES Annual Report.



## **MINIMUM CONTROL MEASURE #6: POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS (Part IV.B.6 General Permit)**

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The RIDOT has signed a Consent Decree with the US Environmental Protection Agency and Department of Justice. The Consent Decree was entered by US Federal Court, and is effective as of December 22, 2015. The full Consent Decree may be viewed on the RIDOT Stormwater Management website at:

<http://www.dot.ri.gov/about/stormwater.php>

The Consent Decree requires RIDOT to comply with Remedial Measures identified for Illicit Discharge Detection and Elimination (IDDE), Post Construction Runoff Controls, Good Housekeeping, and Total Maximum Daily Loads (TMDLs). The Consent Decree also requires Compliance Reporting. Where Consent Decree Remedial Measures cover RIPDES Minimum Measures, RIDOT will report in the Consent Decree Reports only.

**PLEASE SEE CONSENT DECREE ANNUAL REPORT FOR INFORMATION ON: CATCH BASIN INVENTORY, INSPECTION, MAINTENANCE MINIMUM CONTROL MEASURE AND ANNUAL STREET SWEEPING MINIMUM CONTROL MEASURE**

*Minimum Measure 6, Maintenance Facility SWPPP/Pollution Prevention and Winter Operations: This report documents the RIDOT's measurable goals in 2018 that are NOT part of the EPA Consent Decree. RIPDES Applicable sections are highlighted in yellow.*

**SECTION I. OVERALL EVALUATION:**

**GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:**

Include information relevant to the implementation of each measurable goal, such as activities and practices used to address on-going requirements, and personnel responsible. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name & Title:** Joseph Bucci, Administrator Highway and Bridge Maintenance

**Phone:** 401-734-4800 **Email:** [joseph.bucci@dot.ri.gov](mailto:joseph.bucci@dot.ri.gov)

IV.B.6.b.1.i	<p>Use the space below to describe activities and actions taken to identify structural BMPs owned or operated by the small MS4 operator (the program must include identification and listing of the specific location and a description of all structural BMPs in the SWMPP and update the information in the Annual Report). Evaluate appropriateness and effectiveness of this requirement.</p> <p><b>Do you have an inventory of MS4-owned/operated BMPs?</b> <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p><b>Total # of MS4-owned/operated BMPs</b> (does not include CBs or MHs): _____</p>
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**Reporting of this effort is part of the Consent Decree Compliance report.**

IV.B.6.b.1.ii	<p>Use the space below to describe activities and actions taken for inspections, cleaning and repair of detention/retention basins, storm sewers and catch basins with appropriate scheduling given intensity and type of use in the catchment area. Evaluate appropriateness and effectiveness of this requirement.</p> <p><b># of MS4-owned/operated BMPs inspected in 2018:</b> _____</p> <p><b># of MS4-owned/operated BMPs maintained/cleaned in 2018:</b> _____</p> <p><b># of MS4-owned/operated BMPs repaired in 2018:</b> _____</p> <p>Does your municipality/MS4 have a system for tracking:</p> <table> <tr> <td>a. Inspection schedules of MS4-owned BMPs?</td> <td><input type="checkbox"/> YES</td> <td><input type="checkbox"/> NO</td> </tr> <tr> <td>b. Maintenance/cleaning schedules of MS4-owned BMPs?</td> <td><input type="checkbox"/> YES</td> <td><input type="checkbox"/> NO</td> </tr> <tr> <td>c. Repairs, corrective actions needed?</td> <td><input type="checkbox"/> YES</td> <td><input type="checkbox"/> NO</td> </tr> <tr> <td>d. Complaints?</td> <td><input type="checkbox"/> YES</td> <td><input type="checkbox"/> NO</td> </tr> </table> <p>Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track stormwater BMPs, inspections, and maintenance? <input type="checkbox"/> YES <input type="checkbox"/> NO</p>	a. Inspection schedules of MS4-owned BMPs?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	b. Maintenance/cleaning schedules of MS4-owned BMPs?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	c. Repairs, corrective actions needed?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	d. Complaints?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
a. Inspection schedules of MS4-owned BMPs?	<input type="checkbox"/> YES	<input type="checkbox"/> NO											
b. Maintenance/cleaning schedules of MS4-owned BMPs?	<input type="checkbox"/> YES	<input type="checkbox"/> NO											
c. Repairs, corrective actions needed?	<input type="checkbox"/> YES	<input type="checkbox"/> NO											
d. Complaints?	<input type="checkbox"/> YES	<input type="checkbox"/> NO											

**BMP IDs 6F, 6G, 6H, 6I, 6J, 6M, 6N, 6O, 6P, 6Q, 6R**

**Reporting of this effort is part of the Consent Decree Compliance report.**

IV.B.6.b.1.iii	<p>Use the space below to describe activities and actions taken to support the requirement of yearly inspection and cleaning of all catch basins (a lesser frequency of inspection based on at least two consecutive years of operational data indicating the system does not require annual cleaning might be acceptable). Evaluate appropriateness and effectiveness of this requirement.</p> <p><b>Total # of CBs within regulated area (including SRPW and TMDL areas):</b> _____</p> <p><b># of CBs inspected in 2018:</b> _____ <b>% of Total inspected:</b> _____</p> <p><b># of CBs cleaned in 2018:</b> _____ <b>% of Total cleaned:</b> _____</p> <p>Quantity of sand/debris collected by cleaning of catch basins: _____</p> <p>Location used for the disposal of debris: _____</p> <p>Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track the inspections and cleaning of catch basins? <input type="checkbox"/> YES <input type="checkbox"/> NO</p>
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**BMP ID 6K, 6L – ANNUAL CATCH BASIN CLEANING**

**Reporting of this effort is part of the Consent Decree Compliance report.**

IV.B.6.b.1.iv	<p>Use the space below to describe activities and actions taken to minimize erosion of road shoulders and roadside ditches by requiring stabilization of those areas. Evaluate appropriateness and effectiveness of this requirement.</p>
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**BMP ID 6S – STABILIZATION OF ROADSIDE SHOULDERS**

In 2014 and 2015, RIDOT introduced reduced mowing in applicable areas and eliminated the use of haybales on projects. Both practices have been beneficial.

2017: RIDOT OSM coordinated with the State Pollinator Working Group (PWG) to develop roadside pollinator habitat SOPs. This work was in the research & feasibility stage, with more work planned in 2018.

2018: RIDOT OSM continued to collaborate with the PWG. OSM met with the PWG quarterly to develop a RIDOT Pollinator Habitat Program to identify pollinator planting areas along RIDOT roadways throughout the State. OSM



**POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

also participated in the Rhode Island Bee Rally (June 19, 2018) – a Rally at the Statehouse to educate the public and garner support from Legislatures regarding the importance of pollinators to Rhode Island and how RIDOT can be part of the nationwide effort in Roadside Pollinator/Bee/Butterfly highway design.

<https://asri.org/latestnews.html/article/2018/05/11/rhode-island-is-buzzing-about-pollinators->

This Program will continue in 2019.

OSM continues to work with Construction Management to improve shoulder stabilization by attending Final Inspections and commenting on site stabilization for inclusion in RIDOT Punch Lists. These punch lists provide a directive for contractors to complete contract requirements if they have not been completed by the end of the project. OSM also works with Construction Management to stabilize disturbed areas during construction prior to the end of a project (such as prior to the winter shutdown period- See **ATTACHMENT 6A** for a memo from the Administrator of OSM to Construction Management). Regular involvement in Final Inspections has improved stabilization practices, however many projects continue to have a Final Inspection after the seeding date and therefore, are not stabilized until the following spring.

In 2019, OSM will continue to attend Final Inspections and assist Construction Management with proper stabilization practices during construction projects. We will increase efforts to have sites stabilized prior to the winter shutdown period.

IV.B.6.b.1.v	Use the space below to describe activities and actions taken to identify and report known discharges causing scouring at outfall pipes or outfalls with excessive sedimentation, for the Department to determine on a case-by-case basis if the scouring or sedimentation is a significant and continuous source of sediments. Evaluate appropriateness and effectiveness of this requirement.
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**Reporting of this effort is part of the Consent Decree Compliance report.**

IV.B.6.b.1.vi	Use the space below to indicate if all streets and roads within the urbanized area were swept annually and if not indicate reason(s). Evaluate appropriateness and effectiveness of this requirement. <b>Total roadway miles within regulated area (including SRPW and TMDL areas):</b> _____ <b>Roadway miles that were swept in 2018:</b> _____ <b>% of Total swept:</b> _____ Type of sweeper used: <input type="checkbox"/> Rotary brush street sweeper <input type="checkbox"/> Vacuum street sweeper Quantity of sand/debris collected by sweeping of streets and roads: _____ Location used for the disposal of debris: _____ Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track the annual sweeping of streets and roads? <input type="checkbox"/> YES <input type="checkbox"/> NO
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**Reporting of this effort is part of the Consent Decree Compliance report.**

IV.B.6.b.1.vii	Use the space below to describe activities and actions taken for controls to reduce floatables and other pollutants from the MS4. Evaluate appropriateness and effectiveness of this requirement.
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**Please see BMP ID 2B – PUBLIC INVOLVEMENT**

IV.B.6.b.1.viii	Use the space below to describe the method for disposal of waste removed from MS4s and waste from other municipal operations, including accumulated sediments, floatables and other debris and methods for record-keeping and tracking of this information.
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Do you have a system for tracking actions to remove and dispose of waste? ☒ YES ☐ NO

RIDOT Maintenance facilities have Stormwater Pollution Prevention Plans and/or Spill Prevention Plans (as appropriate) which require the proper storage and removal of waste. (Plans submitted to RIDEM RIPDES w/ 2006 Annual Report; Updated Reports submitted with 2012 Annual Report). Catch basin and street sweeping wastes are disposed of at the Johnston Rhode Island Resource Recovery landfill following applicable state regulations and guidance. In 2011, the SWPPPs and SPCCs were evaluated and updated.

RIDOT Construction projects must adhere to the RIDOT Standard Specifications ("Blue Book"), which requires the proper and legal disposal of waste from all RIDOT Construction sites. In order for a Contractor to get paid for the item, proper documentation and record-keeping is required.

**RESPONSIBLE PARTIES** - RIDOT Maintenance and Construction are the primary RIDOT entities responsible for the implementation of this program.

**EFFECTIVENESS** - RIDOT considers this measure effective.

**YEAR 16 (2019) EXPECTED ACTIONS** - RIDOT Maintenance & Construction will continue this program.

**POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

<p>IV.B.6.b.4 and IV.B.6.b.5</p>	<p>Use the space below to describe and indicate activities and corrective actions for the evaluation of compliance. This evaluation must include visual quarterly monitoring; routine visual inspections of designated equipment, processes, and material handling areas for evidence of, or the potential for, pollutants entering the drainage system or point source discharges to a waters of the State; and inspection of the entire facility at least once a year for evidence of pollution, evaluation of BMPs that have been implemented, and inspection of equipment. A Compliance Evaluation report summarizing the scope of the inspection, personnel making the inspection, major observations related to the implementation of the Stormwater Management Plan (formerly known as a Stormwater Pollution Prevention Plan), and any actions taken to amend the Plan must be kept for record-keeping purposes.</p>
<p>RIDOT Maintenance facilities have Stormwater Pollution Prevention Plans and/or Spill Prevention Plans (as appropriate). The Facility SWPPP requires actions (inspections, monitoring, reporting) fulfilling obligations under IV.B.6.b.4 and IV.B.6.b.5. The SWPPPs and SPCCs were updated in 2011.</p> <p><b>RESPONSIBLE PARTIES</b> - RIDOT Maintenance is the primary RIDOT entity responsible for the implementation of this program.</p> <p><b>EFFECTIVENESS</b> - RIDOT considers this measure effective, <i>however documentation of the inspections should be improved.</i></p> <p><b>YEAR 16 (2019) EXPECTED ACTIONS</b> - RIDOT Maintenance will continue this program. OSM will coordinate with Maintenance to update the SWPPPs and SPPs as needed and to improve inspection reporting efforts. OSM anticipates training Maintenance staff on SWPPPs/SPPs and integrating documentation into VUEWorks during 2019.</p>	
<p>IV.B.6.b.6</p>	<p>Use the space below to describe all employee training programs used to prevent and reduce stormwater pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance for the past calendar year, including staff municipal participation in the URI NEMO stormwater public education and outreach program and all in-house training conducted by municipality or other parties. Evaluate appropriateness and effectiveness of this requirement.</p> <p>How many stormwater management trainings have been provided to <i>municipal RIDOT</i> employees during this reporting period? <i>2 trainings for Maintenance's Drainage crew</i></p> <p>What was the date of the last training? <i>August 2018</i></p> <p>How many <i>municipal RIDOT</i> employees have been trained in this reporting period? <i>12 (Drainage), 20 (Construction)</i></p> <p>What percent of <i>municipal RIDOT</i> employees in relevant positions and departments received stormwater management training? _____%</p> <p>Have <i>RIDOT</i> employees that are responsible for inspecting or cleaning catch basins also been trained to detect and report illicit connections or non-stormwater discharges? <i>RIDOT Drainage and Maintenance Crews were provided with IDDE fact sheets. These fact sheets were also provided in the "Stormwater Resources for RIDOT Construction Projects" binders provided to Construction REs.</i></p>
<p><b>BMP ID 6C, 6D, 6E – EMPLOYEE TRAINING</b> <i>Please see Minimum Measure 1.</i></p>	
<p>IV.B.6.b.7</p>	<p>Use the space below to describe actions taken to ensure that new flow management projects undertaken by the operator are assessed for potential water quality impacts and existing projects are assessed for incorporation of additional water quality protection devices or practices. Evaluate appropriateness and effectiveness of this requirement.</p>
<p><i>N/A to RIDOT</i></p>	
<p><b>Additional Measurable Goals and Activities</b></p> <p><b><u>DRAINAGE OPERATIONS</u></b></p> <p>The RIDOT Maintenance Division added an in-house statewide drainage crew in 2016. The in-house statewide drainage crew expands the Department's resources to clean and repair (better maintain) the State's drainage infrastructure (catch basins, manholes, drain pipe, BMPs, outfalls, etc.). Currently, the in-house statewide drainage crew consists of <i>12</i> personnel and they operate out of the RIDOT Scituate Facility. <i>They have 6 Stetco trucks and 2 Vactor vacuum trucks in addition to their other standard equipment. Work performance is reported in the Consent Decree Annual Report. New equipment purchased in 2018 includes 4 poly tanks (can be mounted into our dump trucks to serve as water trucks to assist cleaning drainage structures), 7 new catch basin cleaning trucks (Stetcos), and 10 mason dump trucks. In 2019, RIDOT expects to receive 3 mini excavators (for cleaning drainage swales and</i></p>	

## **POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

outfalls) and 14 additional 1800-gallon poly tanks (ordered during 2018). Depending on the FY 2020 budget, RIDOT anticipates purchasing the following in 2019 – 2 new Vactor vacuum trucks, tanker trucks, and 1 Gradall.

### **BMP ID 6A, 6B – WINTER OPERATIONS - ONGOING**

Starting in 2012, RIDOT began outfitting its winter fleet with new “closed loop” spreader controls that incorporated GPS and wireless technologies. This program required a significant investment by the Department but has resulted in financial savings and reduced our overall impact on the environment. With salt (sodium chloride) representing the most expensive part of snow and ice operations, we have been able to reduce our potential expenses. These closed-loop operation trucks significantly decrease the amount of roadway sand (and salt) applied to RIDOT roadways, thereby decreasing the amount of sediment needed to be swept and cleaned out of Catch Basins in the Spring, and ultimately decreasing the amount entering the environment.

Starting in 2013, RIDOT began using salt brine for anti-icing and pre-wetting applications. We currently have one brine production unit at our Midstate Facility in East Greenwich which can produce close to 5,000 gallons per hour with salt brine storage available at most of our storage facilities. In order to expand this initiative, which is a much-improved method of anti-icing versus using solid materials, we will be working to expand our production abilities in the coming years and will continue to have a need for assistance with application and perhaps hauling between storage sites.

For the 2014 season, the Department had 100% of the heavy-duty fleet outfitted with this equipment.

In 2013/2014, RIDOT introduced a “Green Incentive” for vendors which has increased the vendor use of closed loop systems and calibration. It continued to be offered in through 2018. Currently, RIDOT believes the incentive requires re-examination and needs to create alternatives.

RIDOT currently has 108 winter operation trucks, all with closed-loop systems and is continuously replacing older, less efficient trucks (those 10 years old or older). RIDOT will receive 18 additional new Volvo plow truck with closed-loop systems in the winter/spring of 2019 which will replace older trucks.

### **2018 SALT BARN STATUS:**

Of the 20 RIDOT Primary Salt Stockpiles throughout the state, 16 are under permanent cover; 4 remain under temporary cover. There is 1 Strategic Salt Reserve that is under temporary cover. (RIDOT added a 20,000-ton strategic salt reserve stockpile to its winter operations plan for the first time prior to the 2016 season. It's an additional covered stockpile that is saved for situations when the salt demands are high (severe winters) and deliveries get delayed. The strategic salt reserve will be reduced to 10,000 tons in 2019.)

- Portsmouth – new Maintenance facility on Boyd's Lane was constructed in 2016/2017. The salt storage facility contract was advertised during 2018 and will be constructed during 2019.
- Pawtucket - new paved stockpile area was constructed in 2010 (Roosevelt Ave) adjacent to Exit 30 (I-95 South). RIDOT plans to construct a new salt storage building at this location. We anticipate advertising in 2020 and starting construction in 2021.
- East Providence - Warren Ave: contract is in design phase now, anticipated to be advertised in 2019, with construction planned for the end of 2019 or in 2020.
- Newport – Route 138 off-ramp: RIDOT Maintenance is coordinating with Newport Pell Bridge Ramp Reconstruction Contract (RIDOT Project Management) to find a suitable location. Ramp Reconstruction Contract is currently scheduled for construction from 2020-2023, so RIDOT plans to fund the construction of a new salt storage building within that timeframe (probably after 2021). RIDOT is currently not pursuing a shared-use facility with the City.

Of note is that the environmental regulations which took effect in 2010 increased overall construction costs by about 25% thus reducing our ability to construct 2 new facilities per year. We now can only afford to build 2 facilities over 3 years based on current funding appropriations. The newer environmental regulations require the entire storage and loading process to occur under the same roof, within the structure, which forced us to expand the square footage of the facilities in order to continue to maintain adequate salt quantities to maintain safe and operable highways.

**RESPONSIBLE PARTIES** - RIDOT Maintenance is the primary RIDOT entity responsible for the implementation of this program.

**EFFECTIVENESS** - RIDOT considers this measure effective.



**POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

**YEAR 16 (2019) EXPECTED ACTIONS** - RIDOT Maintenance will continue to upgrade equipment & salt barns as funding allows. In 2019, RIDOT will also re-examine the "Green Incentive" for vendors to make it more feasible for vendors to obtain closed-loop equipment incentives. Currently, the incentive is not deemed effective. Construction on the Portsmouth Salt Facility will begin in Spring 2019 and is anticipated to be completed in September 2019.

**SECTION II.A - Structural BMPs (Part IV.B.6.b.1.i)**

BMP ID:	Location:	Name of BMP Owner/Operator:	Description of BMP:	Frequency of Inspection:
Reporting of this effort is part of the Consent Decree Compliance report.				

**SECTION II.B - Discharges Causing Scouring or Excessive Sedimentation (Part IV.B.6.b.1.v)**

Outfall ID:	Location:	Description of Problem:	Description of Remediation Taken, include dates:	Receiving Water Body Name/Description:
Reporting of this effort is part of the Consent Decree Compliance report.				

**SECTION II.C - Note any planned municipal construction projects/opportunities to incorporate water quality BMPs, low impact development, or activities to promote infiltration and recharge (Part IV.G.2.j).**

Reporting of this effort is part of the Consent Decree Compliance report.

**SECTION II.D - Please include a summary of results of any other information that has been collected and analyzed. This includes any type of data (Part IV.G.2.e).**

Reporting of this effort is part of the Consent Decree Compliance report.





## TOTAL MAXIMUM DAILY LOAD (TMDL) or other Water Quality Determination REQUIREMENTS

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SECTION I. If you have been notified that discharges from your MS4 require non-structural or structural stormwater controls based on an approved TMDL or other water quality determination, please provide an assessment of the progress towards meeting the requirements for the control of stormwater identified in the approved TMDL (Part IV.G.2.d). Please indicate rationale for the activities chosen to address the pollutant of concern.

Reporting of this effort is part of the Consent Decree Compliance report.



## SPECIAL RESOURCE PROTECTION WATERS (SRPWs)

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SECTION I. In accordance with Rule 31(a)(5)(i)G of the *Regulations for the Rhode Island Pollutant Discharge Elimination System* (RIPDES Regs), on or after March 10, 2008, any discharge from a small municipal separate storm sewer system to any Special Resource Protection Waters (SRPWs) or impaired water bodies within its jurisdiction must obtain permits if a waiver has not been granted in accordance to Rule 31(g)(5)(iii). A list of SRPWs can be found in Appendix D of the *RIDEM Water Quality Regulations* at this link: <http://www.dem.ri.gov/pubs/regs/regs/water/h20q09a.pdf>

The 2008 303(d) Impaired Waters list can be found in Appendix G of the *2008 Integrated Water Quality Monitoring and Assessment Report* at this link: <http://www.dem.ri.gov/programs/benviron/water/quality/pdf/iwqmon08.pdf>

If you have discharges from your MS4 (regardless of its location) to any of the listed SRPWs or impaired waters (including impaired waters when a TMDL has not been approved), please provide an assessment of the progress towards expanding the MS4 Phase II Stormwater Program to include the discharges to the aforementioned waters and adapting the Six Minimum Control Measures to include the control of stormwater in these areas. Please indicate a rationale for the activities chosen to protect these waters. Please note that all of the measurable goals and BMPs required by the 2003 MS4 General Permit may not be applicable to these discharges.

Reporting of this effort is part of the Consent Decree Compliance report.



# RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Office of Water Resources



## INSTRUCTIONS FOR THE RI POLLUTANT DISCHARGE ELIMINATION SYSTEM

(RIPDES)

SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS AND INDUSTRIAL ACTIVITY AT ELIGIBLE FACILITIES OPERATED BY REGULATED SMALL MS4s  
**ANNUAL REPORT FORM**

### **WHO MUST SUBMIT AN ANNUAL REPORT:**

Owners/Operators of regulated small municipal separate storm sewer systems (MS4s) and industrial activities authorized to discharge stormwater under the Rhode Island Pollutant Discharge Elimination System (RIPDES) Stormwater General Permit for Small Municipal Separate Storm Sewer Systems and Industrial Activity at Eligible Facilities Operated by Regulated Small MS4s (hereafter referred to as "the General Permit"), must submit an Annual Report, outlined in Part IV.G of the permit. The Report must be submitted each year after permit issuance by March 10<sup>th</sup> to track progress of compliance. If you have questions regarding this Annual Report Form contact Margarita Chatterton of the Rhode Island Department of Environmental Management (RIDEM), Office of Water Resources, Permitting Section at (401) 222-4700 ext. 7605.

The Annual Report must be submitted to:

RIDEM  
Office of Water Resources  
RIPDES Program  
Permitting Section  
235 Promenade Street  
Providence, RI 02908  
ATTN: Jennifer Stout

### **INSTRUCTIONS FOR COMPLETION:**

#### **GENERAL INFORMATION PAGE:**

##### ***"RIPDES Permit #"***

Include your permit ID # to ensure proper tracking.

##### ***"Operator of MS4"***

Give the legal name of the person, firm, public (municipal) organization, or any other entity that is responsible for day-to-day operations of the MS4 described in this application (RIPDES Rules 3 & 12). Enter the complete address and telephone number of the operator. Circle the appropriate choice to indicate the legal status of the operator of the MS4.

##### ***"Owner of MS4"***

If the owner is the same as the operator do not complete this section. Give the legal name of the person, firm, public (municipal) organization, or any other entity that owns the MS4 described in this application (RIPDES

Rules 3 & 12). Do not use a colloquial name. Enter the complete address and telephone number of the owner.

##### ***"Certification"***

State and federal statutes provide for severe penalties for submitting false information on this application form. State and federal regulations require this application to be signed as follows (RIPDES Rule 12);

*For a corporation:* by a responsible corporate officer, which means: (i) president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information or permit application requirements; and where authority to sign documentation has been assigned or delegated to the manager in accordance with corporate procedures;

*For a partnership or sole proprietorship:* by a general partner or the proprietor;

*For a Municipality, State, Federal or other public site:* by either a principal executive officer or ranking elected official.

#### **SECTION I- OVERALL EVALUATION OF BMPS AND MEASURABLE GOALS:**

One or more pages, front and back, are provided to report on the status of measurable goals which have been developed to aid in the implementation of strategies, procedures, and programs used to achieve each of the six minimum control measures in Part IV.B of the General Permit. This section provides narrative space for a descriptive explanation and evaluation of the actions taken to satisfy each of the minimum control measures for the 2018 calendar year. Please type or print. If additional space is needed, modify as necessary. Please submit attachments to the appropriate minimum control measure following the format provided.

A Permit ID # has been provided, which refers to the part of the permit where you can find a listing or description of the required measurable goal.

Please provide a general summary of actions taken (implementation of BMPs, development of procedures, events, etc.) to meet the measurable goals of the minimum measure. **Be sure to identify parties responsible for achieving each measurable goal** and reference any reliance on another entity for achieving any measurable goal. **Mark with an asterisk (\*) if this person/entity is different from last year.**

Describe whether each measurable goal was completed within the time proposed in the General Permit or your Stormwater Management Program Plan (SWMPP). Why or why not? Provide a progress report and discussion of activities that will be carried out during the next reporting cycle to satisfy the requirements of the minimum measures. If applicable, assess the appropriateness of the actions taken to meet the requirements of the minimum measure. In determining appropriateness, you may want to consider at a minimum the local population targeted, pollution sources addressed, receiving water concerns, integration with local management procedures, and available resources and violations or environmental impacts eliminated or minimized.

Also, discuss the effectiveness of the implementation of BMPs to meet the requirements of the minimum measure and the overall effectiveness of the minimum measure. Describe your progress towards achieving the overall goal of reducing the discharge of pollutants. Please include assessment parameters/indicators used to measure the success of the minimum measure. Also include a discussion of any proposed changes to BMPs or measurable goals.

After evaluation, it may be necessary to make changes or modifications to your Implementation Schedule if the time frame, appropriateness or effectiveness cannot be assured. If so, please include descriptions of changes or modifications, and detailed justification in the appropriate sections.

## **SECTION II- ADDITIONAL ANNUAL REPORT REQUIREMENTS**

Section II refers to additional reporting requirements that the General Permit requires to be submitted to the Department as part of the Annual Report. Section II requirements apply to Minimum Control Measures 2 through 6.

### **Minimum Control Measure #2: Section II:**

Specify the date of and how the annual report was public noticed. If a public meeting was needed, provide the date and place. Include a summary of public comments received

in the public comment period of the draft annual report and planned responses or changes to the program (new or revised BMP's and measurable goals, partnerships, etc.). Be sure to attach a copy of your public notice (Parts IV.G.2.h and IV.G.2.i) to the Annual Report.

### **Minimum Control Measure #3: Section II.A:**

Provide the number of illicit discharges identified in 2017, number of illicit discharges tracked in 2017, number of illicit discharges eliminated in 2017, complaints received, complaints investigated, violations issued and resolved with a summary of enforcement actions, number of unresolved violations that have been referred to RIDEM, the total number of illicit discharges identified to date, and the total number of illicit discharges remaining unresolved at the end of 2017. Include a short narrative describing the extent to which your system has been mapped (Part IV.G.2.m), and the total number of outfalls identified to date.

### **Minimum Control Measure #3: Section II.B:**

List identified MS4 interconnections, including location, date found, operator of the physically interconnected MS4, and originating source of newly identified physical interconnections with other small MS4s. Also note any planned or coordinated activities with the physically interconnected MS4 (Part IV.G.2.k and IV.G.2.l).

### **Minimum Control Measures #4 & 5: Section II.A:**

Identify the number of construction and post-construction plan and SWPPP/SESC Plan reviews completed during **YEAR 15 (2018)** and any additional information. This includes, but is not limited to a summary of the reviews, responsible parties, and types of projects reviewed.

### **Minimum Control Measure #4: Section II.B:**

Construction inspection information for erosion and sediment control should be submitted annually as stated in Part IV.G.2.n. Provide a summary of the number of site inspections conducted, inspections that have resulted in enforcement actions, violations that have been resolved and of those unresolved, referred to RIDEM.

### **Minimum Control Measure #5: Section II.B:**

Post-construction inspection information for proper installation of post-construction structural BMPs should be submitted annually as stated in Part IV.G.2.o. This should provide a summary of the number of site inspections conducted, inspections that have resulted in enforcement actions, violations that have been resolved and of those unresolved, referred to RIDEM.

### **Minimum Control Measure #5: Section II.C:**

Inspection information for proper operation and maintenance of post-construction structural BMPs should be submitted annually as stated in Part IV.G.2.p. This should provide a summary of the number of site inspections conducted, inspections that have resulted in

enforcement actions, violations that have been resolved and of those unresolved, referred to RIDEM.

**Minimum Control Measure #6: Section II.A:**

As prescribed in Part IV.B.6.b.1.i of the General Permit, the MS4 operator must identify and list the specific location and description of all structural BMPs in the SWMPP at the time of application and update the information in the annual report.

**Minimum Control Measure #6: Section II.B:**

Part IV.B.6.b.1.v of the General Permit states to identify and report annually, as part of the annual report, known discharges causing scouring at outfall pipes or outfalls with excessive sedimentation. Include Outfall ID #, location, description of the problem, any remediation taken, and the ultimate receiving water body.

**Minimum Control Measure #6: Section II.C:**

As noted in Part IV.G.2.j of the General Permit, specify any planned municipal construction projects or opportunities to include water quality BMPs, low impact development, or seek to promote infiltration and recharge.

**Minimum Control Measure #6: Section II.D:**

Please include a summary of results of any other information that has been collected and analyzed. This includes any type of data, including, but not limited to, dry weather survey data (Part IV.G.2.e).

**TOTAL MAXIMUM DAILY LOAD (TMDL) or other Water Quality Determination REQUIREMENTS**

**Section I:**

Complete this section only if your MS4 is subject to an approved TMDL. TMDL requirements may require the implementation of the six minimum control measures to address the pollutants of concern, and/or additional structural stormwater controls or measures that are necessary to meet the provisions of the approved TMDL. Be sure to identify the approved TMDL and assess the progress towards meeting the requirements for the control of stormwater (Part IV.G.2.d).

Provide a progress report on the present status and discussion of activities that have been accomplished or will be carried out during the next reporting cycle to satisfy the requirements of the TMDL. If applicable, assess the appropriateness of the BMPs selected under each of the six minimum control measures to meet the requirements of the TMDL. In determining appropriateness, you may want to consider violations or environmental impacts eliminated or minimized.

Please include assessment parameters/indicators that will be used to measure the success of the selected BMPs.

Also include a discussion of any proposed changes to BMPs or measurable goals.

**SPECIAL RESOURCE PROTECTION WATERS (SRPWs)**

**Section I:**

Complete this section only if your MS4, located outside Urbanized Areas or Densely Populated Areas, discharges to:

a SRPW as listed in Appendix D of the *RIDEM Water Quality Regulations* at this link:

<http://www.dem.ri.gov/pubs/regs/regs/water/h20q09a.pdf>

or

an impaired water body including water bodies with no approved TMDL as listed in Appendix G of the *2008 Integrated Water Quality Monitoring and Assessment Report* at this link:

<http://www.dem.ri.gov/programs/benviron/water/quality/pdf/iwqmon08.pdf>.

In accordance with Rule 31(a)(5)(i)G in the *Regulations for the Rhode Island Pollutant Discharge Elimination System* (RIPDES Regulations), MS4s were required to incorporate any discharges to these water bodies into their MS4 Program on or after March 10, 2008 unless a waiver has been granted in accordance with Rule 31(g)(5)(iii).

Provide a progress report on the present status and discussion of activities that have been accomplished or will be carried out during the next reporting cycle to incorporate these areas into the MS4's Phase II Stormwater Program.